

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

--1. (Currently Amended) A recording and reproducing method for a record medium, comprising the steps of:

reading record medium ~~type~~ encryption key version information from the record medium when data are recorded to the record medium and reproduced from the record medium on which the record medium ~~type~~ encryption key version information has been recorded;

reading apparatus ~~type~~ encryption key version information from a recording and reproducing apparatus for the record medium;

comparing the record medium ~~type~~ encryption key version information read from the record medium with the apparatus ~~type~~ encryption key version information read from the apparatus; and

performing one of [[a]] an encrypting and recording process and a decrypting and reproducing process for the record medium using ~~information~~ an encryption key corresponding to the apparatus ~~type~~ encryption key version information stored in the apparatus when the record medium ~~type~~ encryption key version information read from the record medium matches the apparatus ~~type~~ encryption key version information read from the apparatus.

--2. (Currently Amended) The recording and reproducing method as set forth in claim 1, further comprising the step of:

determining which of the record medium ~~type~~ encryption key version information read from the record medium and the apparatus ~~type~~ encryption key version information read from the apparatus is ~~type~~ encryption key version information that ~~represents~~

corresponds to a later generation of encryption key when the record medium ~~type~~ encryption key version information read from the record medium does not match the apparatus ~~type~~ encryption key version information read from the apparatus.

--3. (Currently Amended) The recording and reproducing method as set forth in claim 2, further comprising the step of:

canceling the encrypting and recording process and the decrypting and reproducing process when a result of the determining step represents that the record medium ~~type~~ encryption key version information read from the record medium is ~~type~~ encryption key version information that ~~represents~~ corresponds to a generation of encryption key later than a generation of encryption key represented by the apparatus ~~type~~ encryption key version information read from the apparatus.

--4. (Currently Amended) The recording and reproducing method as set forth in claim 3, further comprising the step of:

performing an indication for prompting a user to obtain ~~type~~ encryption key version information and a corresponding encryption key that ~~represents~~ correspond to the later generation of encryption key.

--5. (Currently Amended) The recording and reproducing method as set forth in claim 2, further comprising the step of:

performing the encryption and recording process and the decryption and reproducing process using ~~information an~~ encryption key corresponding to the apparatus ~~type~~ encryption key version information stored in the apparatus when a result of the determining step represents that the ~~type~~ encryption key version apparatus information read from the apparatus is ~~type~~ encryption

key version information that ~~represents~~ corresponds to a generation of encryption key later than a generation ~~represented~~ by corresponding to the record medium ~~type~~ encryption key version information read from the record medium.

--6. (Currently Amended) The recording and reproducing method as set forth in claim 5, further comprising the step of:
performing an indication that represents that the record ~~type~~ encryption key version information read from the record medium is former ~~type~~ encryption key version information.

--7-8. (Canceled)

--9. (Currently Amended) The recording and reproducing method as set forth in claim [[8]] 1,
wherein the ~~encoding process includes an encrypting process using information~~ encryption key corresponding to the apparatus ~~type~~ encryption key version information is stored in the apparatus; and

~~the decoding process includes a decrypting process using the information corresponding to the apparatus type information stored in the apparatus.~~

--10-22. (Canceled)

--23. (Currently Amended) A recording and reproducing apparatus for a record medium, the apparatus comprising:

a head portion for scanning the record medium on which record medium type information is recorded;

a signal processing portion for supplying record data to be recorded on the record medium to the head portion and for

performing a decoding process for data read from the record medium by the head portion;

a storing portion for storing ~~storing type~~ encryption key version information and ~~information~~ an encryption key corresponding to the ~~storing type~~ encryption key version information; and

a controlling portion for: reading the record medium ~~type~~ encryption key version information from the record medium; reading the ~~storing type~~ encryption key version information from the storing portion; comparing the record medium ~~type~~ encryption key version information read from the record medium with the ~~storing type~~ encryption key version information read from the storing portion; and causing the processing portion to perform one of [[a]] an encryption and recording process and a decryption and reproducing process for the record medium using ~~information~~ the encryption key corresponding to the ~~storing type~~ encryption key version information stored in the storing portion when the record medium ~~type~~ encryption key version information read from the record medium matches the ~~storing type~~ encryption key version information read from the storing portion when the data are recorded to the record medium and reproduced from the record medium.

--24. (Currently Amended) The recording and reproducing apparatus as set forth in claim 23,

wherein said controlling portion includes:

a comparing portion for comparing the record medium ~~type~~ encryption key version information read from the record medium with the ~~storing type~~ encryption key version information read from the storing portion.

--25. (Currently Amended) The recording and reproducing apparatus as set forth in claim 23,

wherein the controlling portion determines which of the record medium ~~type~~ encryption key version information read from the record medium and the storing ~~type~~ encryption key version information read from the storing portion is ~~type~~ encryption key version information that ~~represents~~ corresponds to a later generation of encryption key when the record medium ~~type~~ encryption key version information read from the record medium does not match the storing ~~type~~ encryption key version information read from the storing portion.

--26. (Currently Amended) The recording and reproducing apparatus as set forth in claim 25,

wherein the controlling portion causes the signal processing portion to cancel the process when the record medium ~~type~~ encryption key version information read from the record medium is ~~type~~ encryption key version information that ~~represents~~ corresponds to a generation of encryption key later than a generation of encryption key ~~represented by~~ corresponding to the storing ~~type~~ encryption key version information read from said storing portion.

--27. (Currently Amended) The recording and reproducing apparatus as set forth in claim 26, the apparatus further comprising:

a displaying portion,

wherein the controlling portion causes the displaying portion to perform an indication for prompting a user to obtain the ~~type~~ encryption key version information and a corresponding encryption key that ~~represents~~ corresponds to the later

generation of encryption key.

--28. (Currently Amended) The recording and reproducing apparatus as set forth in claim 25,

wherein the controlling portion causes the signal processing portion to perform the process using ~~information~~ an encryption key corresponding to the storing ~~type~~ encryption key version information stored in the storing portion when the storing ~~type~~ encryption key version information read from the storing portion is ~~type~~ encryption key version information that ~~represents~~ corresponds to a generation of encryption key later than a generation ~~represented by~~ corresponding to the record medium ~~type~~ encryption key version information read from the record medium.

--29. (Currently Amended) The recording and reproducing apparatus as set forth in claim 28, the apparatus further comprising:

a displaying portion,

wherein the controlling portion causes the displaying portion to perform an indication that represents that the record medium ~~type~~ encryption key version information read from the record medium is former ~~type~~ encryption key version information.

--30-31. (Canceled)

--32. (Currently Amended) A record medium on which address information including ~~type~~ encryption key version information that ~~represents~~ corresponds to a generation of ~~information~~ an encryption key for performing an encrypting process for data to be recorded is recorded.

--33. (Canceled)

--34. (Currently Amended) The record medium as set forth in claim 32,

wherein the record medium is a disc-shaped record medium;

and the address information is ~~recorded~~ recorded in a lead-in area of the disc-shaped record medium.

--35. (Currently Amended) The record medium as set forth in claim 34,

wherein the address information is recorded such that grooves pre-formed on the disc-shaped record medium are wobbled;

and the ~~type~~ encryption key version information is embedded at predetermined intervals in the address information.

--36. (Currently Amended) A recording and reproducing method for a record medium, comprising the steps of:

reading record medium ~~type~~ encryption key version information ~~of key information~~ corresponding to an encryption key from the record medium when data are one of recorded to the

record medium and reproduced from the record medium on which the ~~type~~ encryption key version information ~~of~~ corresponding to the

~~key information~~ encryption key is recorded;

reading apparatus ~~type~~ encryption key version information ~~of~~ corresponding to encryption key from a recording

and reproducing apparatus for the record medium;

comparing the record medium ~~type~~ encryption key version information read from the record medium with the apparatus ~~type~~ encryption key version information read from the apparatus; and

controlling one of a recording operation and a reproducing operation corresponding to a compared result of the comparing step.

--37. (Currently Amended) The recording and reproducing method as set forth in claim 36, further comprising the step of: encrypting and recording data to the record medium and decrypting and reproducing data from the record medium using information the encryption key corresponding to the apparatus ~~type~~ encryption key version information stored in the apparatus when the record medium ~~type~~ encryption key version information read from the record medium matches the apparatus ~~type~~ encryption key version information read from the apparatus.

--38. (Currently Amended) The recording and reproducing method as set forth in claim 37, further comprising the step of: determining which of the record medium ~~type~~ encryption key version information read from the record medium and the apparatus ~~type~~ encryption key version information read from the apparatus is ~~type~~ encryption key version information that ~~represents~~ corresponds to a later generation of encryption key when the record medium ~~type~~ encryption key version information read from the record medium does not match the apparatus ~~type~~ encryption key version information read from the apparatus.

--39. (Currently Amended) The recording and reproducing method as set forth in claim 38, further comprising the step of: canceling the recording process and the reproducing process when a result of the determining step represents that the record medium ~~type~~ encryption key version information read from the record medium is ~~type~~ encryption key version information that

represents a generation later than a generation represented by the apparatus ~~type~~ encryption key version information read from the apparatus.

--40. (Currently Amended) The recording and reproducing method as set forth in claim 39, further comprising the step of:
performing an indication for prompting a user to obtain the ~~type information that represents~~ encryption key version information and corresponding encryption key for the later generation.

--41. (Currently Amended) The recording and reproducing method as set forth in claim 38, further comprising the step of:
performing the encryption and recording process and the decryption and reproducing process using ~~information~~ the encryption key corresponding to the apparatus ~~type~~ encryption key version information stored in the apparatus when a result of the determining step represents that the apparatus ~~type~~ encryption key version information read from the apparatus is ~~type~~ encryption key version information that ~~represents~~ corresponds to a generation of encryption key later than a generation ~~represented by~~ of encryption key corresponding to the record medium ~~type~~ encryption key version information read from the record medium.

--42. (Currently Amended) The recording and reproducing method as set forth in claim 41, further comprising the step of:
performing an indication that represents that the record medium ~~type~~ encryption key version information read from the record medium is former ~~type~~ encryption key version information.

--43-45. (Canceled)

--46. (Currently Amended) The recording and reproducing method as set forth in claim 36,

wherein the ~~key information~~ encryption key is recorded in address information recorded in the record medium.

--47. (Previously Presented) The recording and reproducing method as set forth in claim 46,

wherein the record medium is a disc-shaped record medium;
and

the address information is recorded in a lead-in area of the disc-shaped record medium.

--48. (Currently Amended) The recording and reproducing method as set forth in claim 47,

wherein the address information is recorded such that grooves pre-formed on the disc-shaped record medium are wobbled;
and

the record medium ~~type~~ encryption key version information is embedded at predetermined intervals in the address information.